



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 500  
DENVER, CO 80202-2466

SDMS Document ID  
1015170

## FINAL POLREP Sandy Smelter (aka Salt Lake Valley Smelter)

### I. HEADING

Date: 11/23/98  
From: Paul Peronard, OSC  
To: Patty Smith, EPA Headquarters  
Subject: Sandy Smelter Site (aka Salt Lake Valley Smelter Initiative), Sandy City, Salt Lake County, Utah  
POLREP: POLREP #8 and Final

### II. BACKGROUND

Site No: Y4  
Response Authority: CERCLA  
State Notification: UDEQ notified  
Action Memorandum: Approved: 4/29/94  
Amended: 6/6/96  
Amended: 5/27/98  
Start Date (5/27/98 Amended Action):  
Fund-Lead (RV5-OU00) 06/03/98  
PRP-Lead (RV2-OU00) 07/25/98  
Completion Date:  
Fund-Lead (RV5-OU00) 10/02/98  
PRP-Lead (RV2-OU00) 10/02/98

### III. SITE INFORMATION

The Sandy Smelter site (aka Salt Valley Smelter Initiative) [Site], Time-Critical Removal, is located in a residential area in "Historic Sandy City, Salt Lake County, Utah. Four smelters were located in the area and operated from 1872 to 1901. There are currently no active smelting facilities in the area.

Surface soil contamination in this area of Sandy is above levels considered safe for residential use. Population at risk were those living in an area of approximately two square miles.

The action level for this Removal was set at 1200 ppm lead in surface soils. The cleanup level was set at 1800 ppm lead or 18 inches of soil which ever occurred first. The cleanup level was established through use of the IUBK model with a goal of insuring that not more than 5% of children under the age of 7 will have blood lead levels of 120 ug/dl without considering the benefits of community protective measures.



#### IV. RESPONSE INFORMATION

##### A. Situation

The new removal activities for this Site were an addition of 80 residential sites to be screened for Removal Action in addition to those addressed in the Time-Critical Removal Actions of June 6, 1996, and April 29, 1994. This Removal Action was approved in the Modified Action Memorandum dated 5/27/98, and these residential sites were referred to the Removal Program by the Remedial Program.

The 80 properties were screened against the previously designated action level and usage. Of the 80 properties, 12 were determined to be commercial properties and were referred back to the Remedial Program for institutional controls; access was also denied to 4 other properties. This brought the universe of properties sampled to 64, and this was accomplished during April of 1998. Of those sampled, 36 were determined to require excavation of lead-contaminated soils.

The Site was divided into two (2) areas - North and South. The North Area included 21 residential properties which were remediated as a Fund-Lead Action. The South Area includes approximately 15 residential sites which were remediated by the PRP according to an AOC and an EPA-approved Work Plan.

The twenty-one properties addressed by EPA have been excavated to the required depths and remediation has been completed which will render the properties in the condition stated in signed agreements between the property owner and EPA. The fifteen southern properties addressed by ASARCO, the PRP, have undergone similar excavation and reconstruction as those addressed by EPA. A Workplan was approved, according to the AOC, and was overseen by EPA; and the PRP remediation of the 15 properties is complete.

#### IV. COST INFORMATION

Estimated EPA total costs are approximately \$1,600,000; PRP costs have not been identified at this time.

#### VI. DISPOSITION OF WASTES

Waste-stream	Medium	Amount	Containment	Disposal
Lead contaminated soil	Solid	16,000 tons	Wet down and tarped for transportation	City/County landfill

## POLREP DISTRIBUTION LOG

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OSC: Steve Hawthorn

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